FIG.1

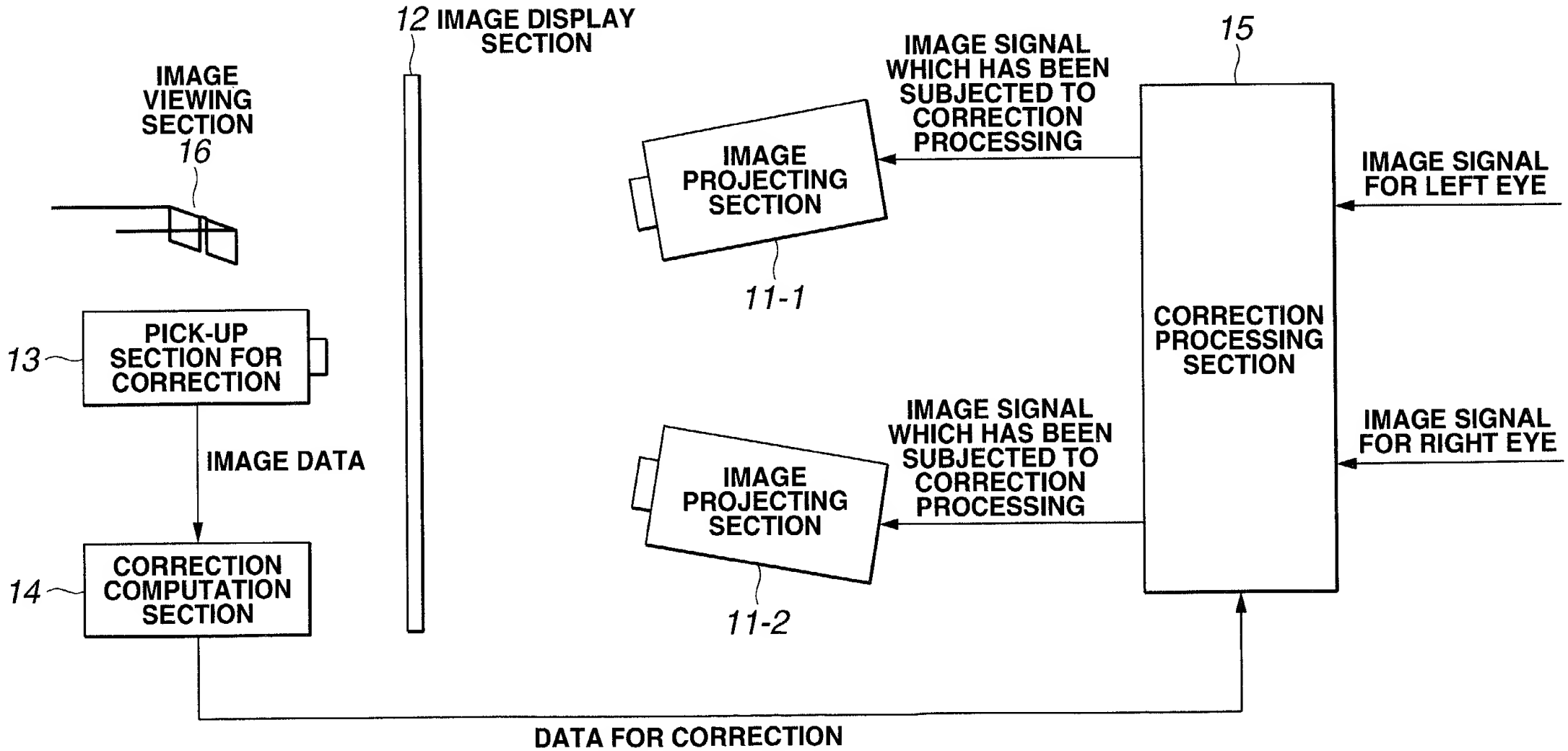


IMAGE VIEWING SECTION
16
12 IMAGE DISPLAY SECTION
IMAGE SIGNAL WHICH HAS BEEN SUBJECTED TO CORRECTION PROCESSING
IMAGE PROJECTING SECTION
11-1
15
IMAGE SIGNAL FOR LEFT EYE
CORRECTION PROCESSING SECTION
13
PICK-UP SECTION FOR CORRECTION
IMAGE DATA
IMAGE SIGNAL WHICH HAS BEEN SUBJECTED TO CORRECTION PROCESSING
IMAGE PROJECTING SECTION
11-2
IMAGE SIGNAL FOR RIGHT EYE
14
CORRECTION COMPUTATION SECTION
DATA FOR CORRECTION

FIG.2

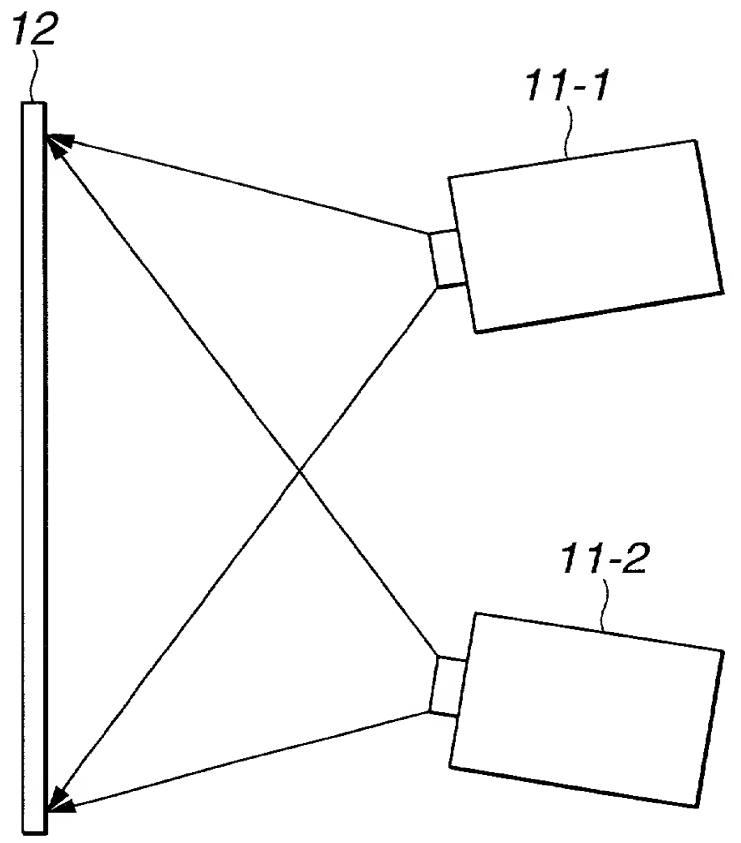


FIG.4

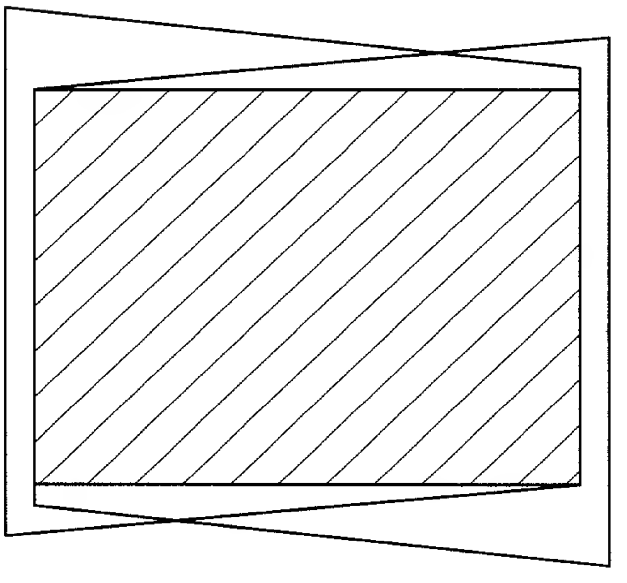
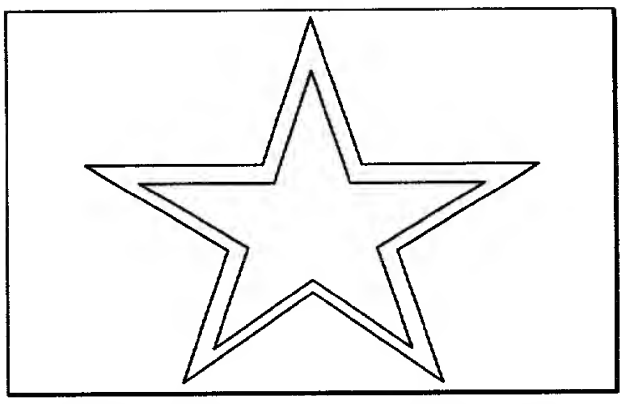
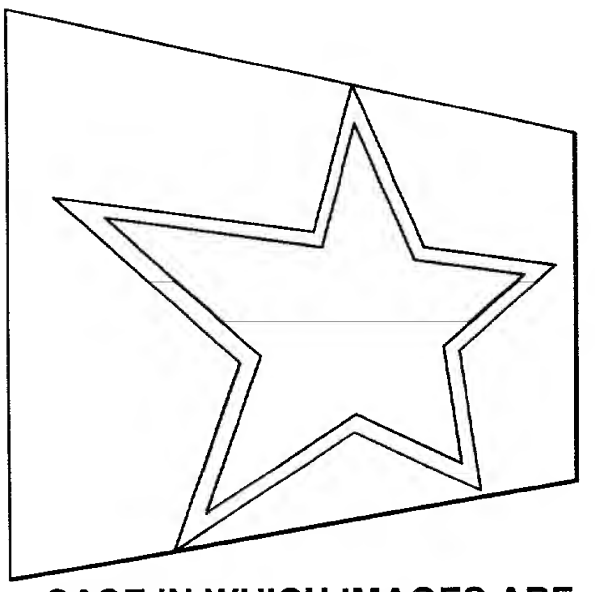


FIG.3A



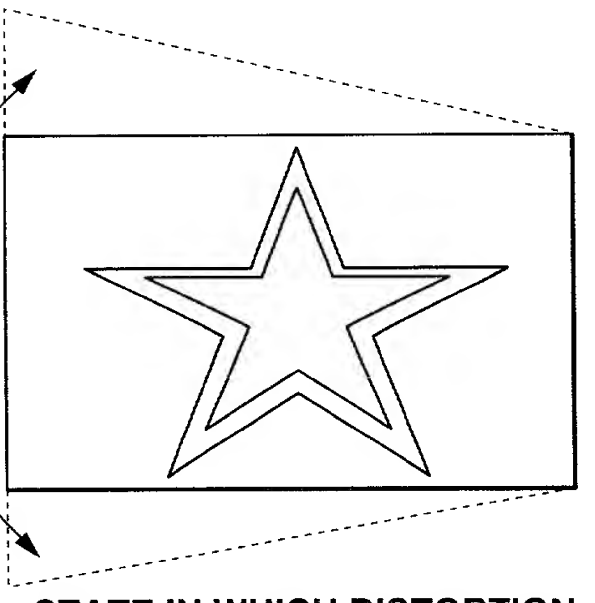
CASE IN WHICH IMAGES ARE PROJECTED ORTHOGONALLY WITH RESPECT TO SCREEN

FIG.3B



CASE IN WHICH IMAGES ARE PROJECTED AT AN INCLINE WITH RESPECT TO SCREEN

FIG.3C



STATE IN WHICH DISTORTION HAS BEEN CORRECTED

FIG.5

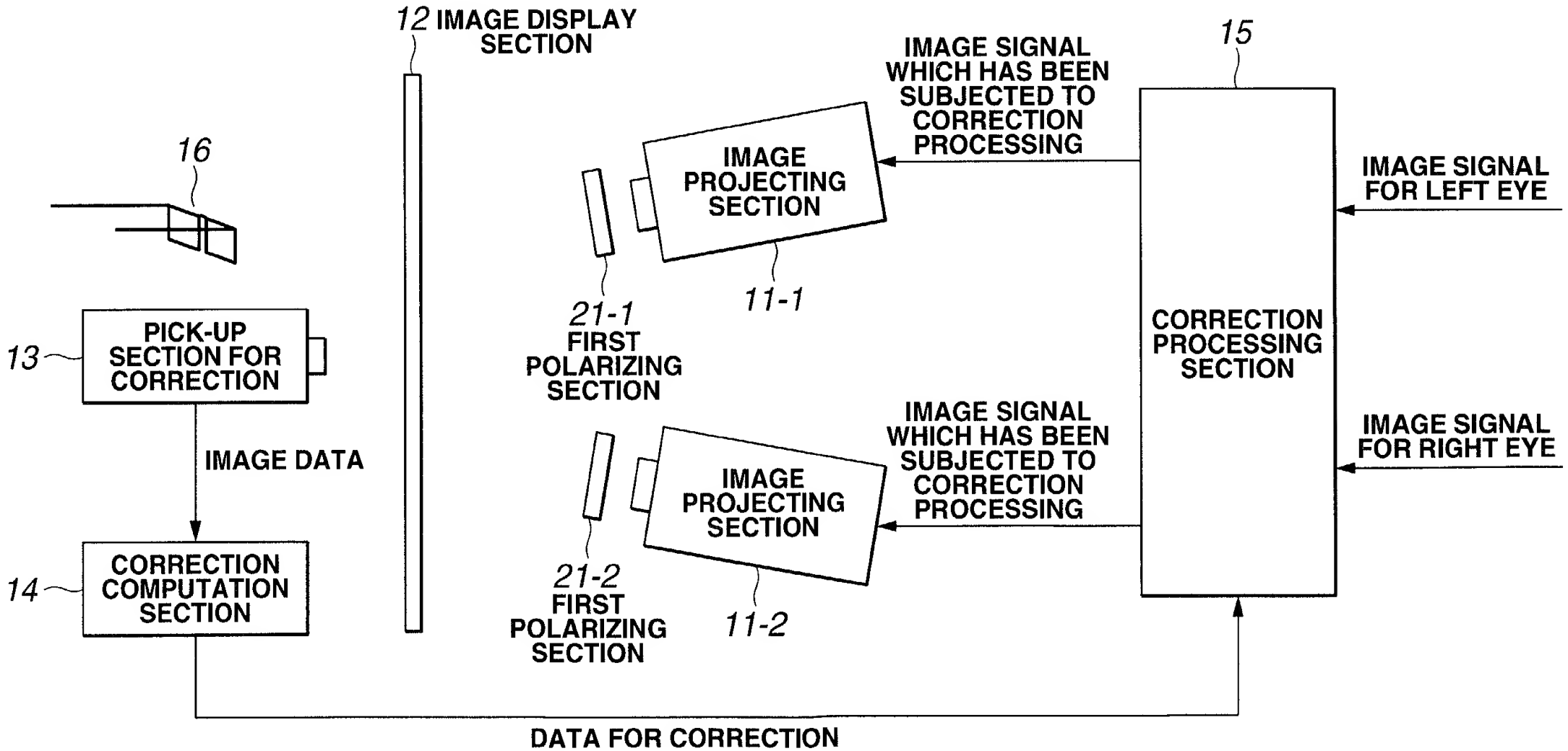

12 IMAGE DISPLAY SECTION
15
IMAGE SIGNAL WHICH HAS BEEN SUBJECTED TO CORRECTION PROCESSING
IMAGE PROJECTING SECTION
IMAGE SIGNAL FOR LEFT EYE
16
21-1 FIRST POLARIZING SECTION
11-1
CORRECTION PROCESSING SECTION
13
PICK-UP SECTION FOR CORRECTION
IMAGE SIGNAL WHICH HAS BEEN SUBJECTED TO CORRECTION PROCESSING
IMAGE SIGNAL FOR RIGHT EYE
IMAGE DATA
IMAGE PROJECTING SECTION
21-2 FIRST POLARIZING SECTION
11-2
14
CORRECTION COMPUTATION SECTION
DATA FOR CORRECTION

FIG.6

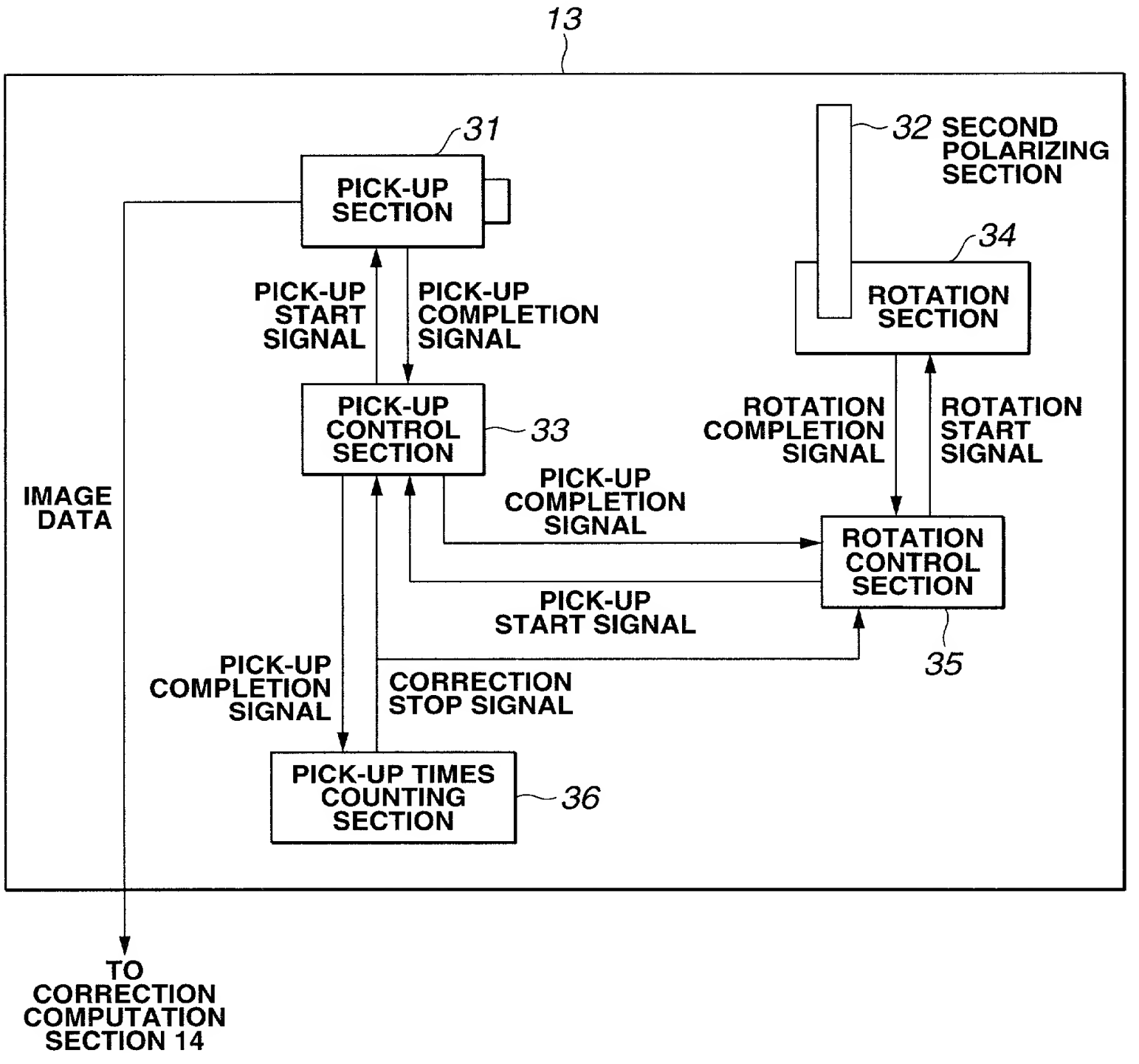

13
31
PICK-UP SECTION
PICK-UP START SIGNAL
PICK-UP COMPLETION SIGNAL
PICK-UP CONTROL SECTION
33
IMAGE DATA
32 SECOND POLARIZING SECTION
34
ROTATION SECTION
ROTATION COMPLETION SIGNAL
ROTATION START SIGNAL
PICK-UP COMPLETION SIGNAL
ROTATION CONTROL SECTION
PICK-UP START SIGNAL
35
PICK-UP COMPLETION SIGNAL
CORRECTION STOP SIGNAL
PICK-UP TIMES COUNTING SECTION
36
TO CORRECTION COMPUTATION SECTION 14

FIG.7

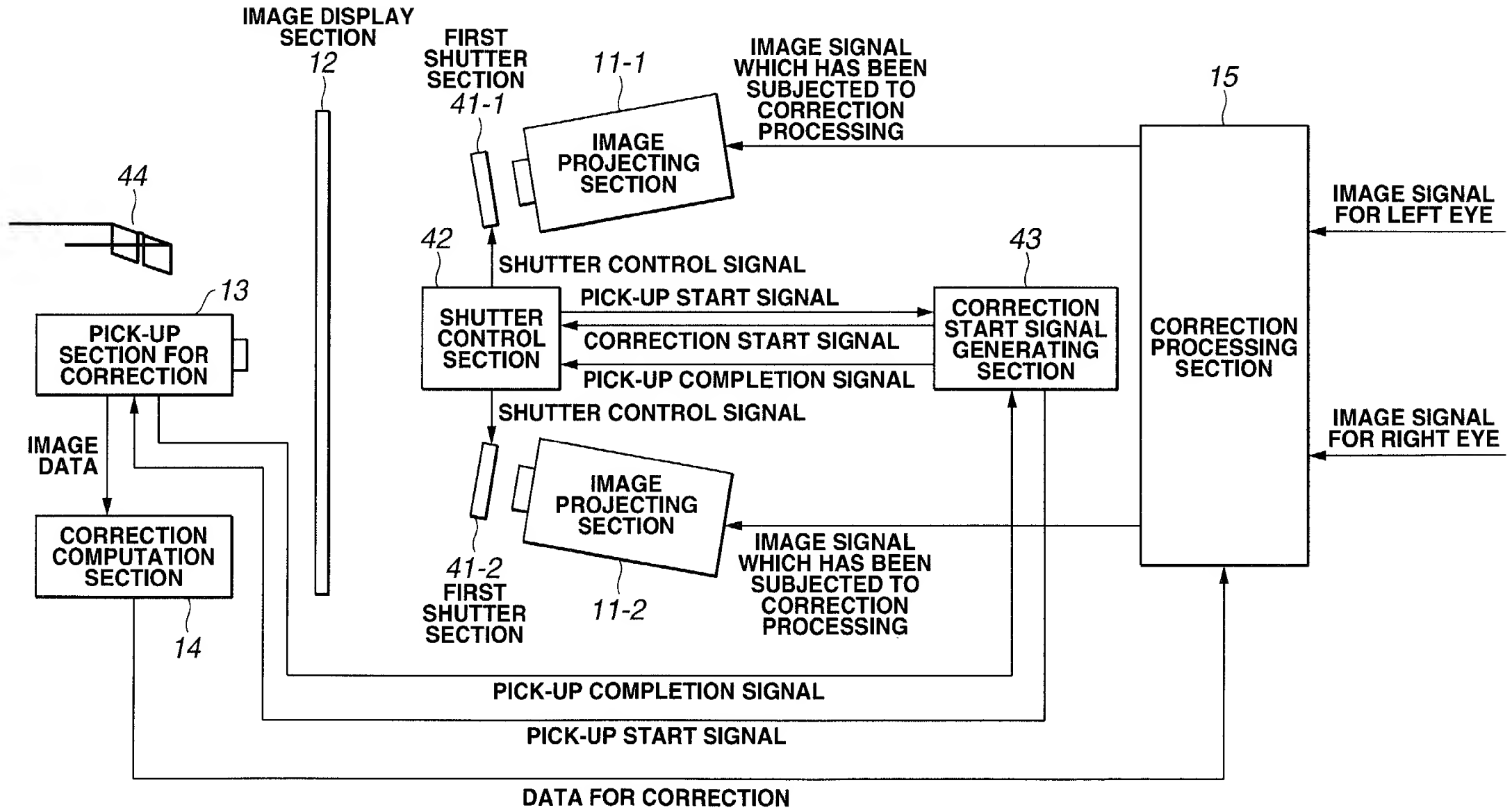


IMAGE DISPLAY SECTION
12
FIRST SHUTTER SECTION
41-1
11-1
IMAGE SIGNAL WHICH HAS BEEN SUBJECTED TO CORRECTION PROCESSING
15
IMAGE PROJECTING SECTION
44
IMAGE SIGNAL FOR LEFT EYE
42
43
SHUTTER CONTROL SIGNAL
13
PICK-UP SECTION FOR CORRECTION
SHUTTER CONTROL SECTION
PICK-UP START SIGNAL
CORRECTION START SIGNAL
PICK-UP COMPLETION SIGNAL
CORRECTION START SIGNAL GENERATING SECTION
CORRECTION PROCESSING SECTION
SHUTTER CONTROL SIGNAL
IMAGE SIGNAL FOR RIGHT EYE
IMAGE DATA
IMAGE PROJECTING SECTION
CORRECTION COMPUTATION SECTION
41-2
FIRST SHUTTER SECTION
11-2
IMAGE SIGNAL WHICH HAS BEEN SUBJECTED TO CORRECTION PROCESSING
14
PICK-UP COMPLETION SIGNAL
PICK-UP START SIGNAL
DATA FOR CORRECTION

FIG.8

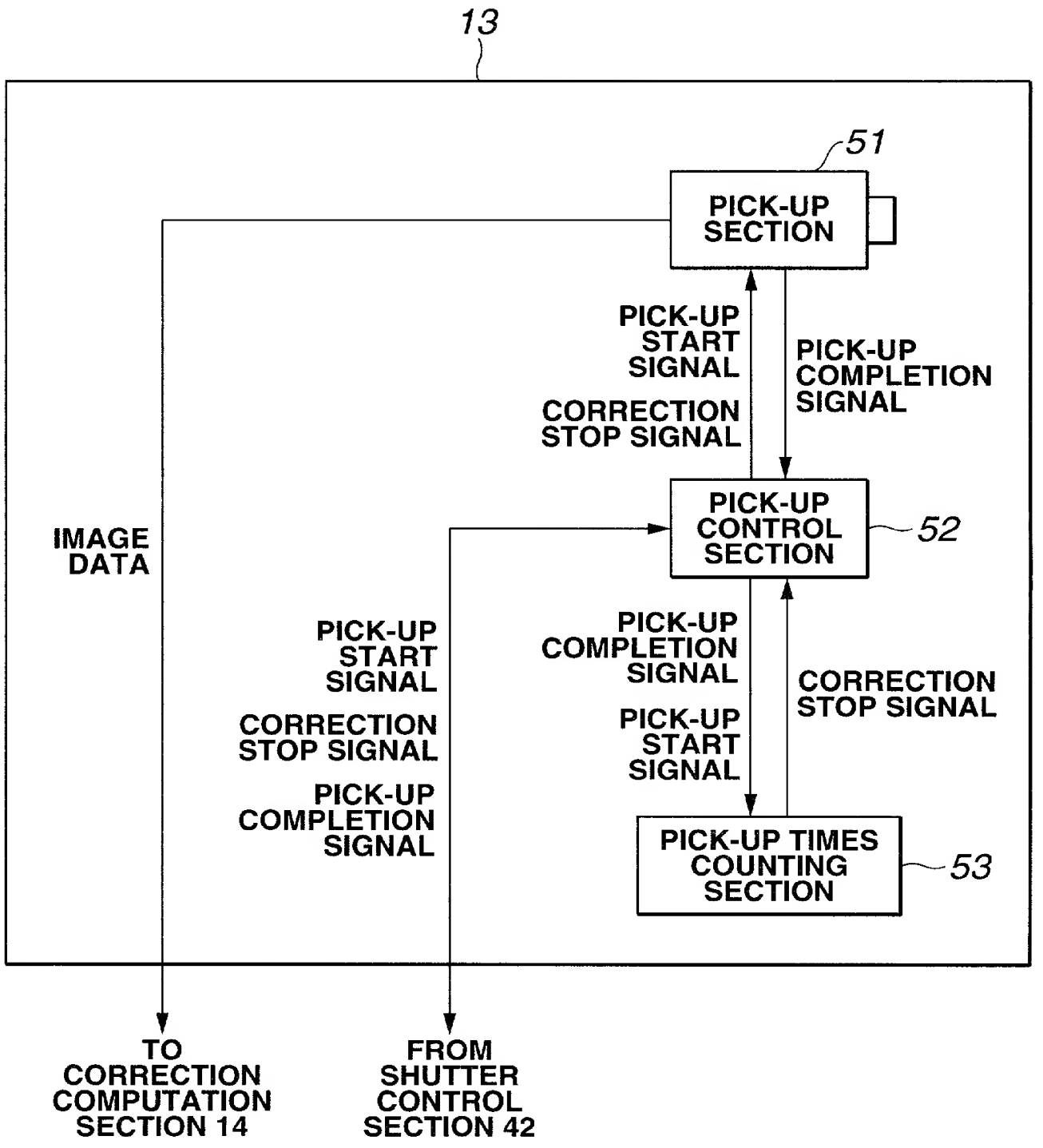

13
51
PICK-UP SECTION
PICK-UP START SIGNAL
CORRECTION STOP SIGNAL
PICK-UP COMPLETION SIGNAL
PICK-UP CONTROL SECTION
52
IMAGE DATA
PICK-UP START SIGNAL
CORRECTION STOP SIGNAL
PICK-UP COMPLETION SIGNAL
PICK-UP COMPLETION SIGNAL
PICK-UP START SIGNAL
CORRECTION STOP SIGNAL
PICK-UP TIMES COUNTING SECTION
53
TO CORRECTION COMPUTATION SECTION 14
FROM SHUTTER CONTROL SECTION 42

FIG.9

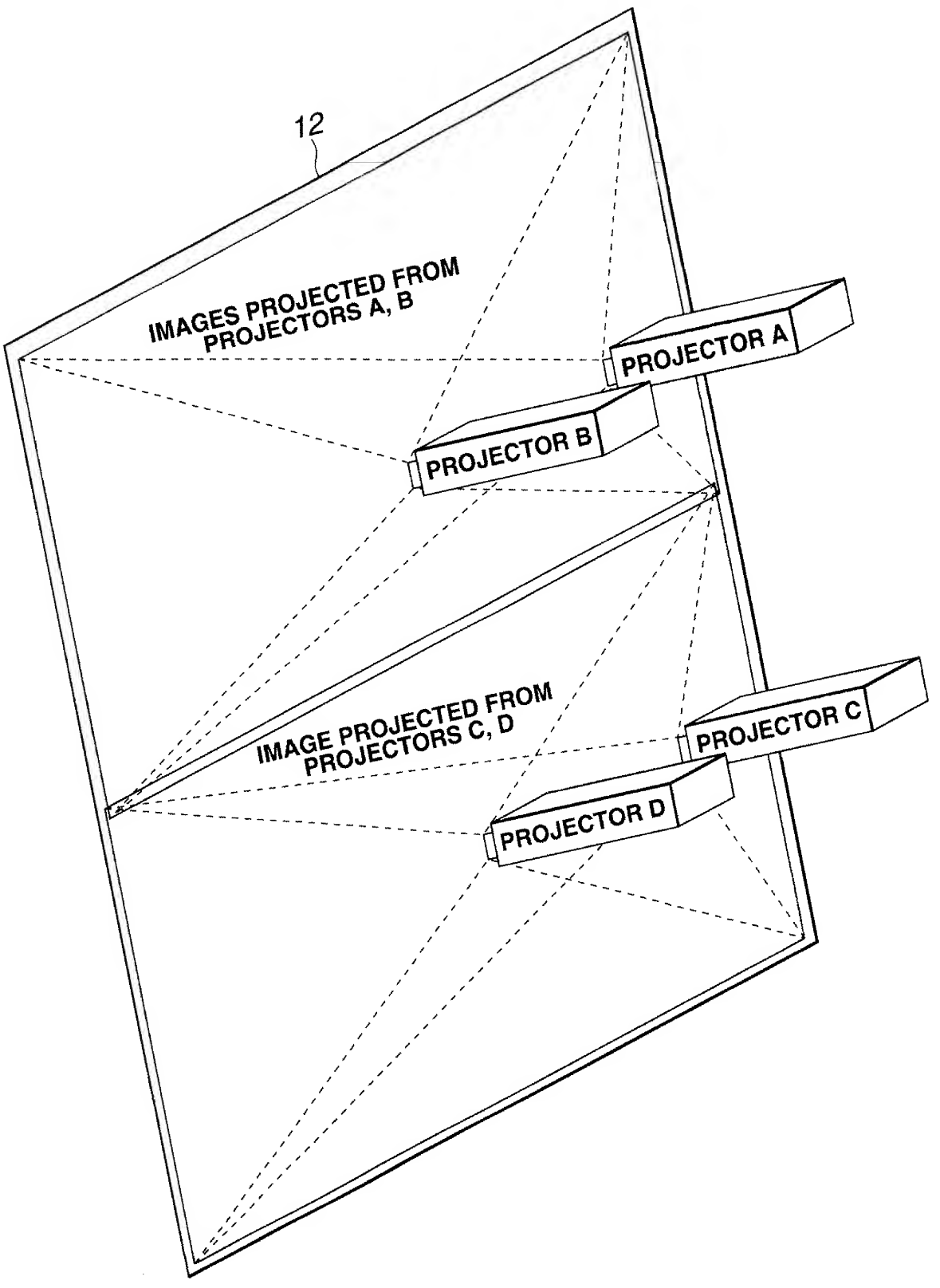
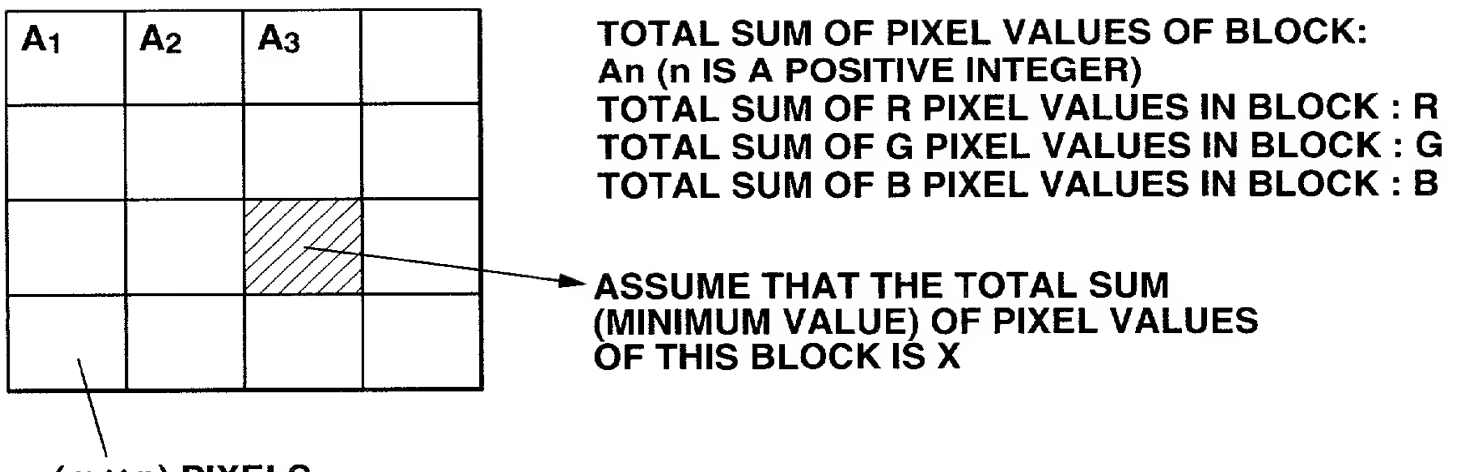

12
IMAGES PROJECTED FROM PROJECTORS A, B
PROJECTOR A
PROJECTOR B
IMAGE PROJECTED FROM PROJECTORS C, D
PROJECTOR C
PROJECTOR D

FIG.10



DETERMINE, AT CORRECTION COMPUTATION SECTION, DIFFERENCE (An - X) BETWEEN TOTAL SUM An OF PIXEL VALUES OF BLOCK AND MINIMUM VALUE X

⇩

SEND THIS VALUE (An - X) TO CORRECTION PROCESSING SECTION

⇩

DETERMINE AVERAGE VALUE (An - X)/mn FOR EACH PIXEL IN BLOCK, AND DETERMINE AVERAGE VALUE (An - X)/3mn FOR R, G, B OF EACH PIXEL IN BLOCK

⇩

SUBTRACT THIS VALUE (An - X)/3mn FROM R, G, B PIXEL VALUES OF EACH PIXEL IN BLOCK

FIG.11

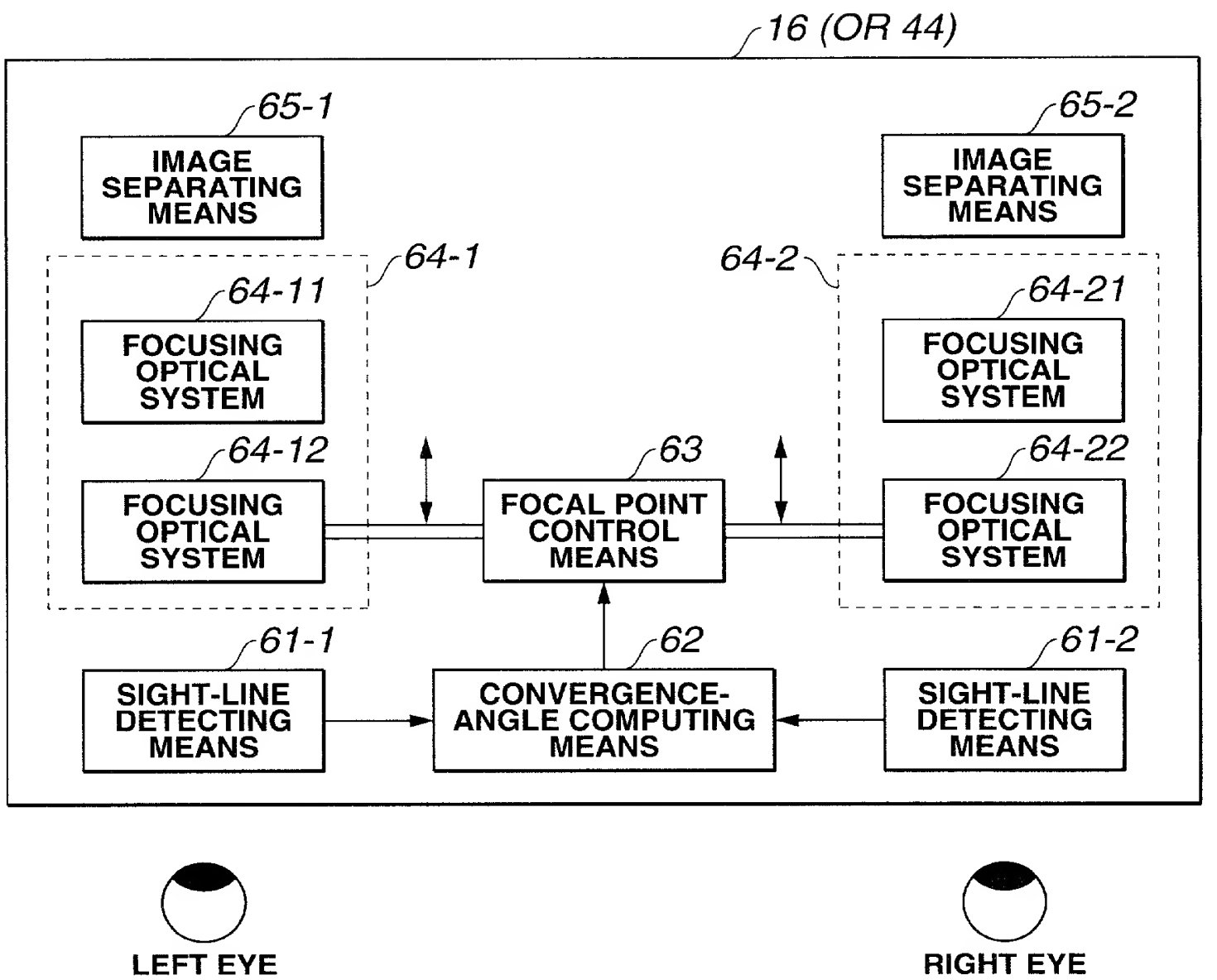

16 (OR 44)
65-1
IMAGE SEPARATING MEANS
65-2
IMAGE SEPARATING MEANS
64-1
64-11
FOCUSING OPTICAL SYSTEM
64-12
FOCUSING OPTICAL SYSTEM
64-2
64-21
FOCUSING OPTICAL SYSTEM
64-22
FOCUSING OPTICAL SYSTEM
63
FOCAL POINT CONTROL MEANS
61-1
SIGHT-LINE DETECTING MEANS
62
CONVERGENCE-ANGLE COMPUTING MEANS
61-2
SIGHT-LINE DETECTING MEANS
LEFT EYE
RIGHT EYE

FIG.12

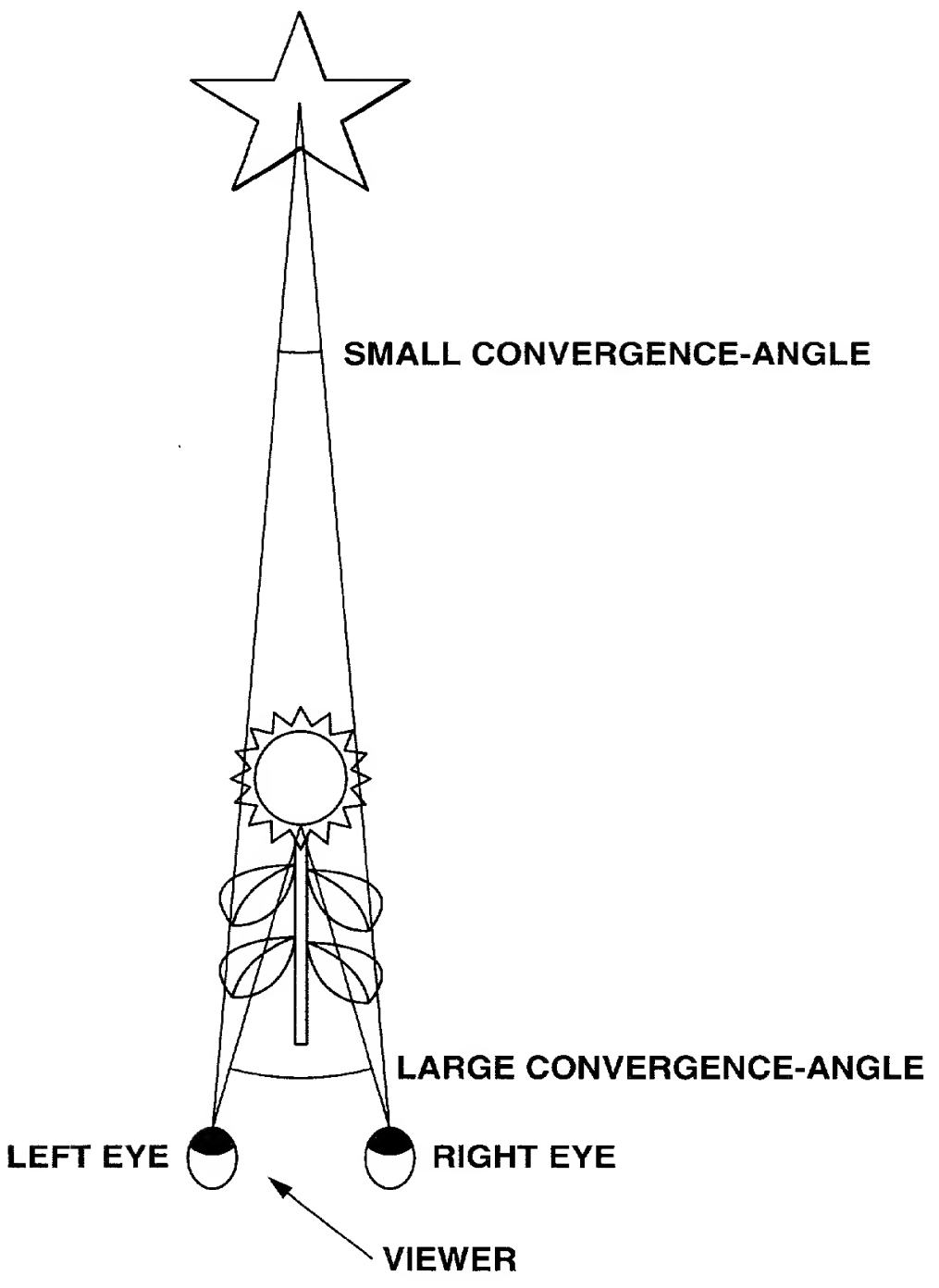

SMALL CONVERGENCE-ANGLE
LARGE CONVERGENCE-ANGLE
LEFT EYE
RIGHT EYE
VIEWER

FIG.13

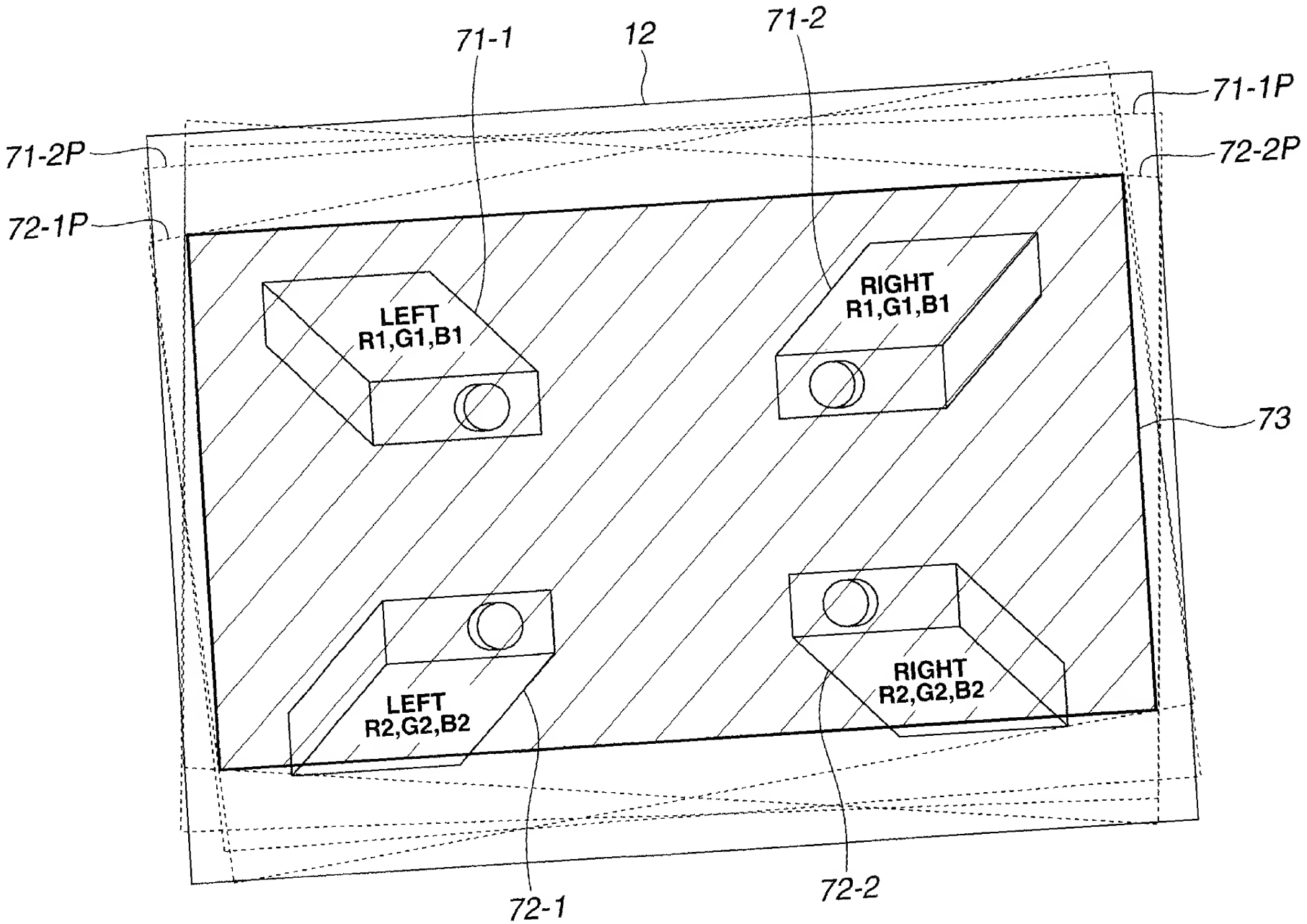


FIG.14A

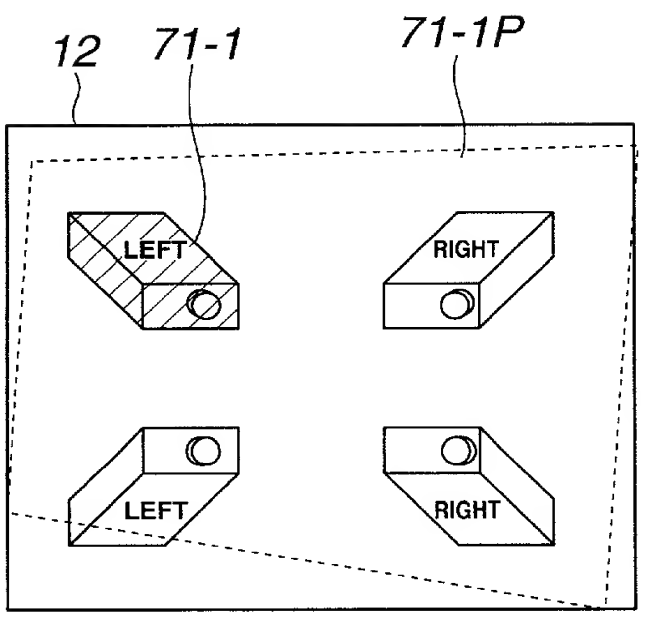


FIG.14C

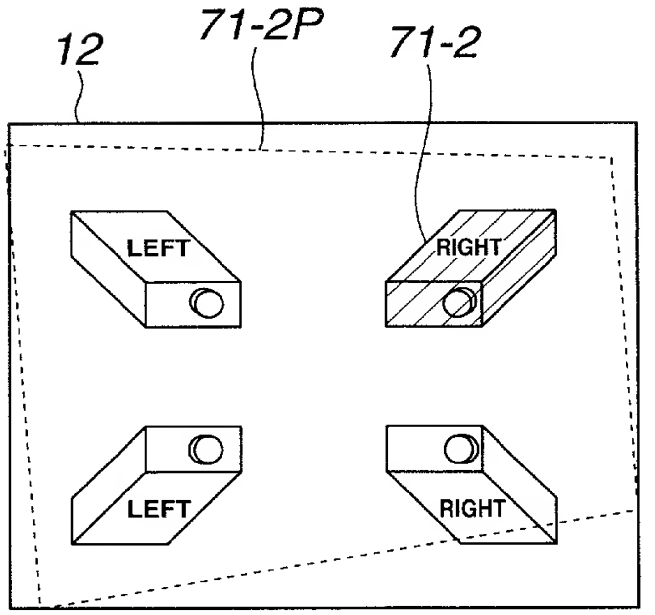


FIG.14B

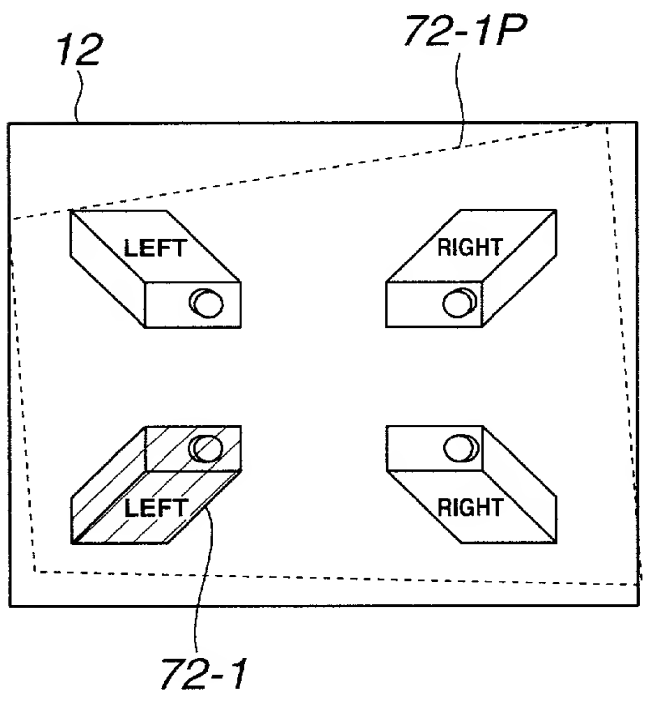


FIG.14D

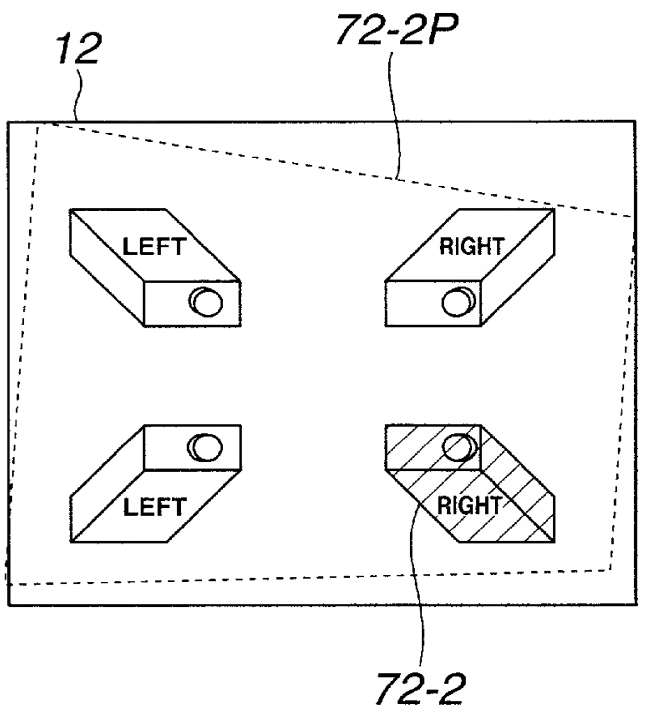


FIG.15

R1,G1,B1:THREE PRIMARY COLORS FROM PROJECTORS 71-1,71-2
R2,G2,B2:THREE PRIMARY COLORS FROM PROJECTORS 72-1,72-2
R0,G0,B0:THREE PRIMARY COLORS OF RGB BEFORE FILTERS ARE ATTACHED

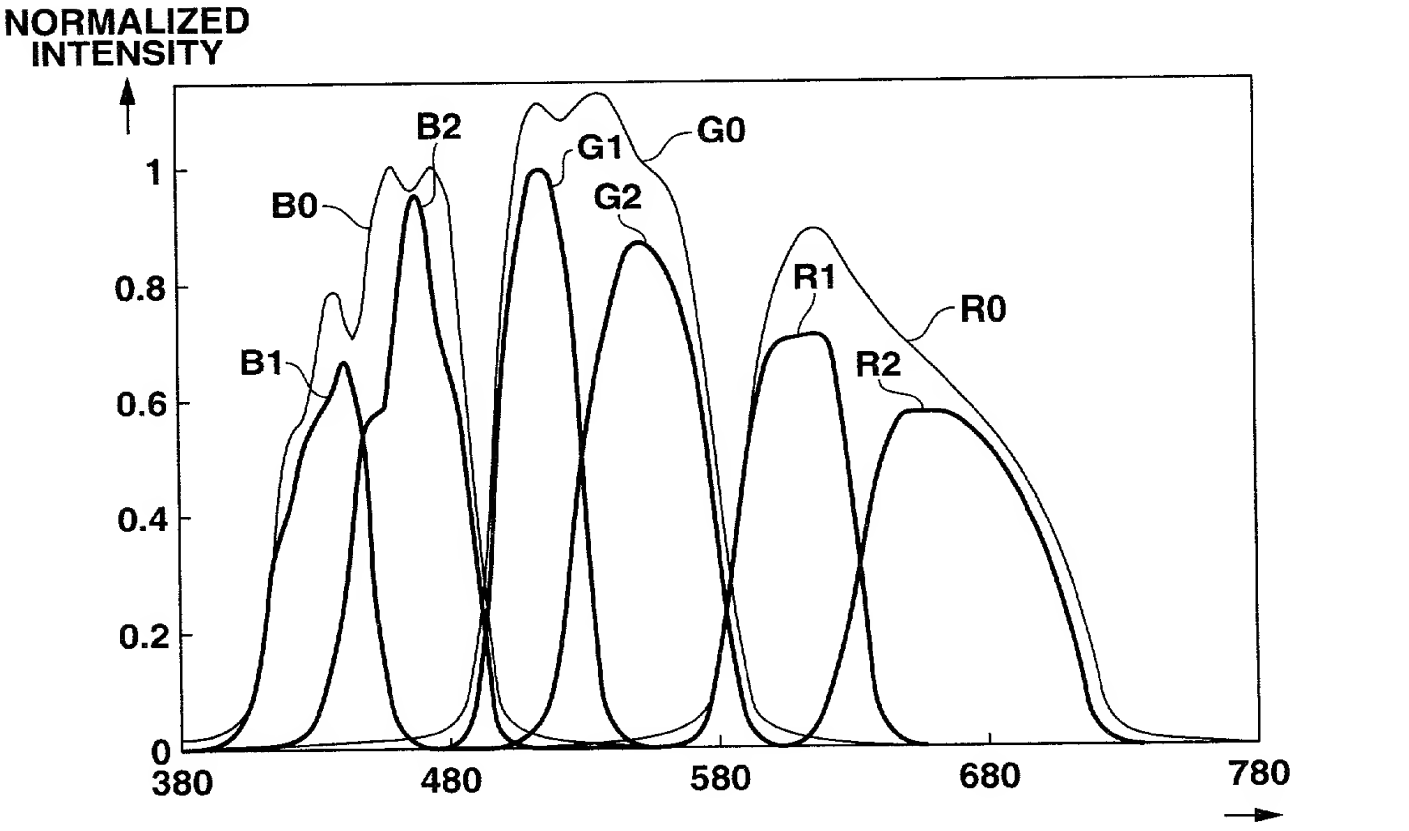


FIG.16

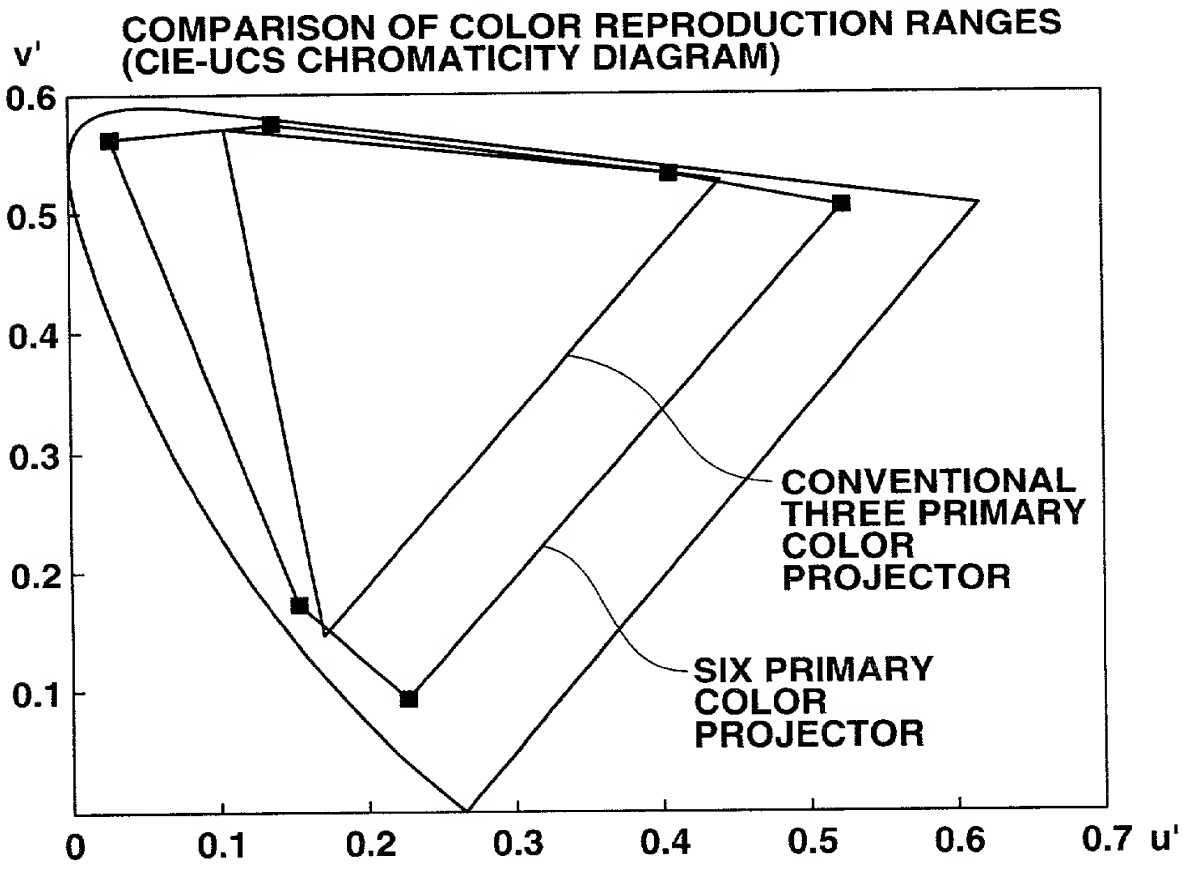


FIG.17A

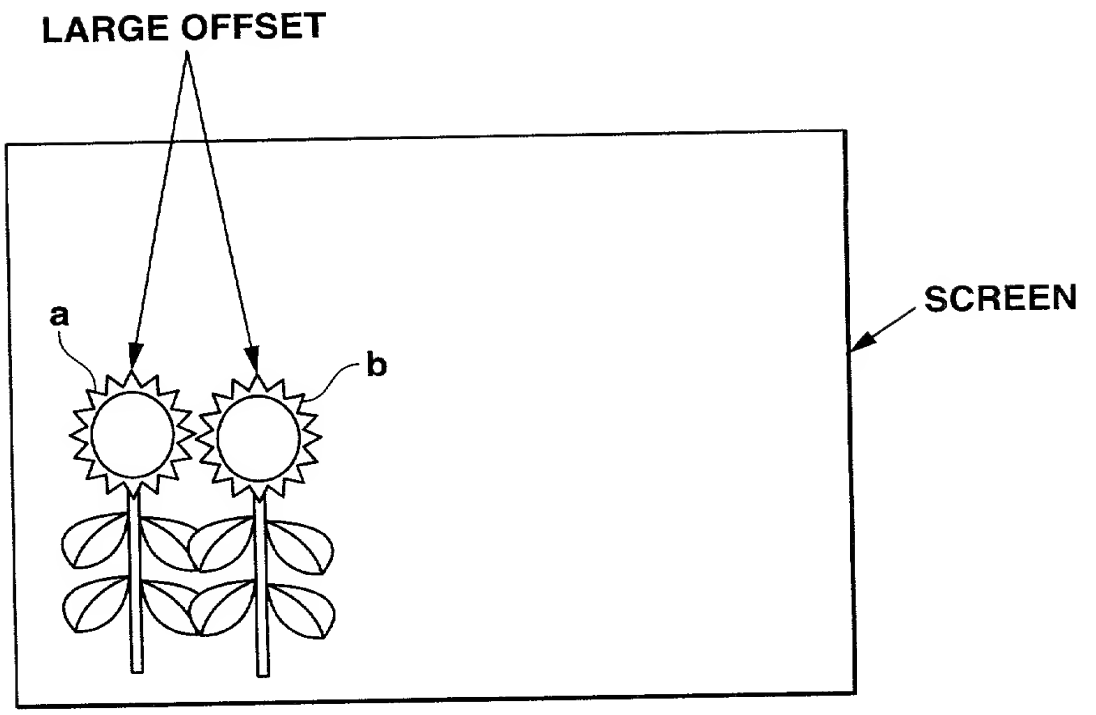


FIG.17B